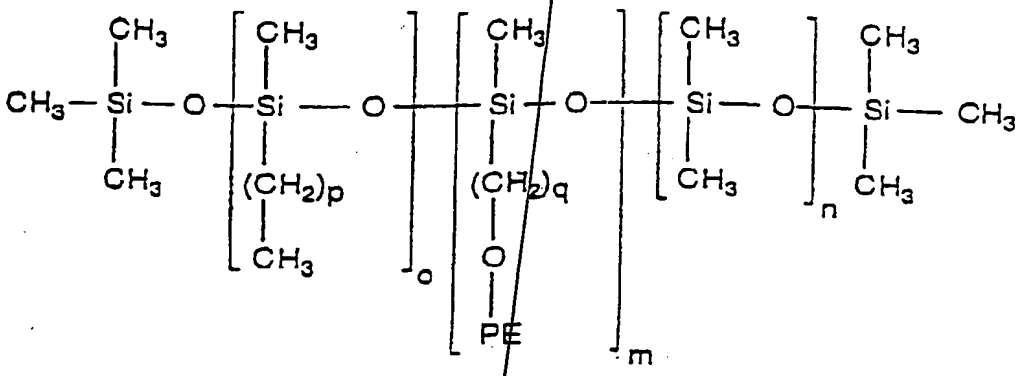
CLAIMS

1. Use of a silicone surfactant of alkyl dimethicone copolyol type of formula:



in which:

PE = $(-C_2H_4O)_x(-C_3H_6O)_y-H$,

x = 0 to 50,

y = 0 to 30, x and y not simultaneously being 0,

o = 1 to 100,

m = 1 to 40,

n = 1 to 200,

p = 1 to 17 and

q = 1 to 5,

in the preparation of solid water-in-oil emulsions comprising an aqueous phase emulsified by the said surfactant in a fatty phase comprising at least one oil and at least one wax.

2. Use according to Claim 1, characterized in that:

o = 1 to 25,

m = 1 to 10,

n = 1 to 100.

3. Use according to Claim 2, characterized in that:

o = 21,

m = 4,

n = 73.

4. Use according to Claim 3, characterized in that the silicone surfactant is a mixture of cetyl dimethicone copolyol, of polyglyceryl-4 isostearate and of hexyl laurate.

5. Use according to any one of Claims 1 to 4, characterized in that the silicone surfactant, alkyl dimethicone copolyol, is used in a proportion of 0.5 to 40% and preferably 2 to 12% by weight with respect to the total weight of the emulsion.

6. Use according to any one of Claims 1 to 5, characterized in that the fatty phase comprises a silicone oil.

7. Use according to Claim 6, characterized in that the silicone oil is chosen from volatile cyclic silicones having from 3 to 8 silicon atoms, volatile linear silicones having from 2 to 9 silicon atoms, dimethylsiloxane/methylalkylsiloxane cyclocopolymers, polyalkylsiloxanes with trimethylsilyl end groups and

phenylated silicone oils.

8. Use according to Claim 6 or 7, characterized in that the silicone oil is a volatile silicone oil.

9. Use according to Claim 8, characterized in that the volatile silicone oil is chosen from cyclotetradimethylsiloxane, cyclopentadimethylsiloxane, cyclohexadimethylsiloxane, hexamethyldisiloxane, hexylheptamethyltrisiloxane and octylheptamethyltrisiloxane.

10. Use according to any one of Claims 1 to 7, characterized in that the fatty phase comprises a volatile isoparaffin.

11. Use according to Claim 10, characterized in that the volatile isoparaffin is a C_8-C_{16} isoparaffin chosen from isododecane, isodecane and isohexadecane.

12. Use according to any one of Claims 1 to 11, characterized in that the fatty phase of the solid water-in-oil emulsion additionally comprises mineral oils, oils of animal origin, vegetable oils, branched C_8-C_{16} esters, synthetic esters and ethers, hydroxylated esters, polyol esters, fatty alcohols, fluorinated oils and their mixtures.

13. Use according to any one of Claims 1 to 12, characterized in that the oils are used in a proportion of 10 to 40% and preferably of 18 to 30% by

weight with respect to the total weight of the emulsion.

14. Use according to any one of Claims 1 to 13, characterized in that the fatty phase comprises at least one wax or one mixture of waxes capable of conferring, on the emulsion, a penetration force of greater than or equal to 50 grams.

15. Use according to any one of Claims 1 to 14, characterized in that the wax is chosen from vegetable, mineral, animal or synthetic waxes, hydrogenated oils which are solid at 25°C, fatty esters which are solid at 25°C and their mixtures.

16. Use according to any one of Claims 1 to 15, characterized in that the wax is chosen from polyethylene wax, hydrogenated jojoba oil, ozokerite or their mixtures.

17. Use according to any one of Claims 1 to 16, characterized in that the wax is a mixture of polyethylene wax and of hydrogenated jojoba oil.

18. Use according to any one of Claims 1 to 14, characterized in that the waxes are used in a proportion of 3 to 15% and preferably of 3 to 10% by weight with respect to the total weight of the emulsion.

19. Use according to any one of Claims 1 to 18, characterized in that the fatty phase of the solid

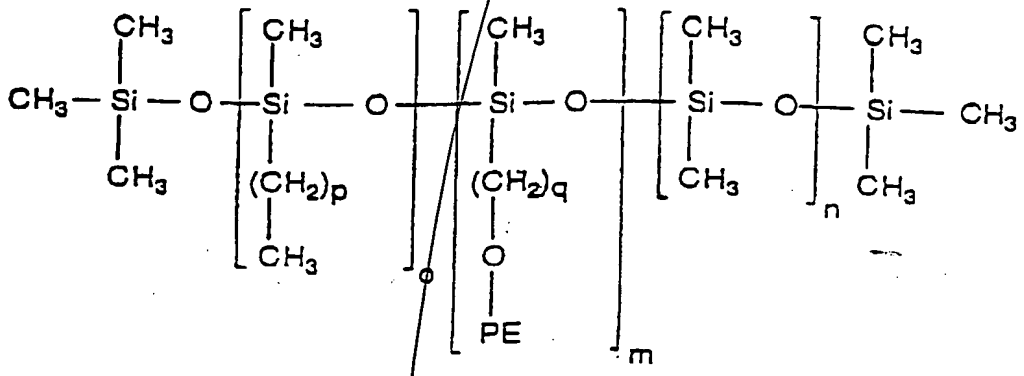
water-in-oil emulsion additionally comprises pigments and/or pearlescent agents and/or fillers selected for minimum transfer.

20. Use according to any one of Claims 1 to 19, characterized in that the aqueous phase represents 0.5 to 60% of the total weight of the emulsion.

21. Use according to any one of Claims 1 to 20, characterized in that the aqueous phase comprises water or a floral water, 0 to 14% by weight, with respect to the total weight of the aqueous phase, of lower C_2-C_6 monoalcohols and/or of polyols and 0 to 6% by weight, with respect to the total weight of the emulsion, of a thickening agent.

22. Use according to any one of Claims 1 to 21 of a silicone surfactant of the alkyl dimethicone copolyol type with the formula shown in one of Claims 1 to 4 in the preparation of a make-up product and in particular of a transfer-free compact foundation.

23. Solid cosmetic emulsion of the water-in-oil type, characterized in that it comprises an aqueous phase emulsified, using a silicone surfactant of alkyl dimethicone copolyol type of formula:



in which:

PE = $(-C_2H_4O)_x(-C_3H_6O)_y-H$,

x = 0 to 50,

y = 0 to 30, x and y not simultaneously being 0,

o = 1 to 100,

m = 1 to 40,

n = 1 to 200,

p = 1 to 17 and

q = 1 to 5,

in a fatty phase comprising at least one oil and at least one wax.

24. Emulsion according to Claim 23, characterized in that:

o = 1 to 25,

m = 1 to 10,

n = 1 to 100.

25. Emulsion according to Claim 24, characterized in that:

o = 21,

m = 4,

n = 73.

26. Emulsion according to Claim 25, characterized in that the silicone surfactant is a mixture of cetyl dimethicone copolyol, of polyglyceryl-4 isostearate and of hexyl laurate.

27. Emulsion according to any one of Claims 23 to 26, characterized in that it comprises 0.5 to 40% and preferably 2 to 12% by weight of silicone surfactant, alkyl dimethicone copolyol, on the basis of the total weight of the emulsion.

28. Emulsion according to any one of Claims 23 to 27, characterized in that the fatty phase comprises a silicone oil.

29. Emulsion according to Claim 28, characterized in that the silicone oil is chosen from volatile cyclic silicones having from 3 to 8 silicon atoms, volatile linear silicones having from 2 to 9 silicon atoms, dimethylsiloxane/methylalkylsiloxane cyclocopolymers, polyalkylsiloxanes with trimethylsilyl end groups and phenylated silicone oils.

30. Emulsion according to Claim 28 or 29, characterized in that the silicone oil is a volatile silicone oil.

31. Emulsion according to Claim 30, characterized in that the volatile silicone oil is

chosen from cyclotetradimethylsiloxane, cyclopentadimethylsiloxane, cyclohexadimethylsiloxane, hexamethyldisiloxane, hexylheptamethyltrisiloxane and octylheptamethyltrisiloxane.

32. Emulsion according to any one of Claims 23 to 27, characterized in that the fatty phase comprises a volatile isoparaffin.

33. Emulsion according to Claim 32, characterized in that the volatile isoparaffin is a C_8-C_{16} isoparaffin chosen from isododecane, isodecane and isohexadecane.

34. Emulsion according to any one of Claims 23 to 33, characterized in that the fatty phase additionally comprises mineral oils, oils of animal origin, vegetable oils, branched C_8-C_{16} esters, synthetic esters and ethers, hydroxylated esters, polyol esters, fatty alcohols, fluorinated oils and their mixtures.

35. Emulsion according to any one of Claims 23 to 34, characterized in that it comprises 10 to 40% and preferably 18 to 30% by weight of oil(s) on the basis of the total weight of the emulsion.

36. Emulsion according to any one of Claims 23 to 35, characterized in that the fatty phase comprises at least one wax or one mixture of waxes capable of conferring, on the emulsion, a penetration

force of greater than or equal to 50 grams.

37. Emulsion according to any one of Claims 23 to 36, characterized in that the wax is chosen from mineral, animal, vegetable or synthetic waxes, hydrogenated oils which are solid at 25°C, fatty esters which are solid at 25°C and their mixtures.

38. Emulsion according to any one of Claims 23 to 37, characterized in that the wax is chosen from polyethylene wax, hydrogenated jojoba oil, ozokerite or their mixtures.

39. Emulsion according to any one of Claims 23 to 38, characterized in that the wax is a mixture of polyethylene wax and of hydrogenated jojoba oil.

40. Emulsion according to any one of Claims 23 to 39, characterized in that it comprises 3 to 15% and preferably 3 to 10% by weight of wax(es) on the basis of the total weight of the emulsion.

41. Emulsion according to any one of Claims 23 to 40, characterized in that the fatty phase additionally comprises pigments and/or pearlescent agents and/or fillers selected for minimum transfer.

42. Emulsion according to any one of Claims 23 to 41, characterized in that the aqueous phase represents 0.5 to 60% of the total weight of the emulsion.

43. Emulsion according to any one of Claims 23 to 42, characterized in that the aqueous phase comprises water or a floral water, 0 to 14% by weight, with respect to the total weight of the aqueous phase, of lower C_2-C_6 monoalcohols and/or of polyols and 0 to 6% by weight, with respect to the total weight of the emulsion, of a thickening agent, as well as, optionally, agents for the stabilization of the emulsion.

44. Emulsion according to any one of Claims 23 to 43, characterized in that it additionally comprises at least one additive chosen from antioxidants, colorants, fragrances, essential oils, preservatives, cosmetic active principles, moisturizers, vitamins, sphingolipids, sunscreen agents and fat-soluble polymers.

45. Emulsion according to any one of Claims 23 to 44, characterized in that it is composed of a make-up product and in particular a transfer-free compact foundation.

46. Process for making up the skin and/or the scalp, characterized in that it consists in applying, to the skin and/or the scalp, a solid emulsion as defined in any one of Claims 23 to 45.